AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

FEBRUARY 1957

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FEBRUARY 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.9	57.1	58.1	57.4	11.1	4.6	6.7	4.8	5.6	5.7
2	59.6	60.2	62.1	60.6	11.3	5.9	7.6	7.3	7.1	7.3
3	65.0	65.7	67.8	66.2	11.1	8.1	8.1	10.9	9.7	9.6
4	70.4	70.1	69.5	70.0	13.8	10.7	10.9	13.2	11.7	11.9
5	69.8	69.4	70.6	69.9	16.6	11.6	13.9	15 9	12.8	14.2
6	71.2	69.6	70.1	70.3	16.5	10.9	14.3	15.9	12.9	14.4
7	69.1	67.3	65.8	67.3	16.0	11.7	13.0	15.4	13.8	14.1
8	65.1	62.8	62.5	63.5	17.5	13.9	14.4	16.9	15.0	15.4
9	61.4	59.9	62.1	61.1	18.5	11.4	15.7	16.8	13.4	15.3
10	61.9	62.1	63.5	62.5	15.5	10.0	13.7	15.0	12.9	13.9
11	63.1	62.8	64.3	63.4	17.2	13.1	14.4	16.5	14.3	15.1
12	64.0	61.5	62.7	62.7	18.2	10.2	15.0	18.0	12.3	15.1
13	65.6	65.7	67.0	66.1	17.5	12.5	13.9	16.7	13.8	14.8
14	67.6	66.1	66.2	66.6	17.3	12.1	14.8	16.8	13.9	15.2
15	65.0	63.7	65.0	64.6	17.7	12.1	14.6	17.1	13.8	15.2
16	65.7	65.3	65.9	65.6	17.7	12.2	14.4	17.3	14.0	15.2
17	66.0	65.1	65.1	65.4	17.4	13.2	14.4	16.9	15.2	15.5
18	65.0	64.3	64.6	64.6	17.7	13.5	15.5	17.6	15.4	16.2
19	64.4	63.0	63.6	63.7	18.2	14.0	15.3	17.9	15.3	16.2
20	64.1	63.6	64.3	64.0	19.4	14.4	16.6	19.2	15.8	17.2
21	65.1	63.8	63.7	64.2	18.5	13.5	15.6	17.8	15.3	16.2
22	62.8	60.6	62.0	61.8	18.2	14.1	15.3	18.1	15.6	16.3
23	60.5	60.2	60.5	60.4	18.8	14.1	16.2	17.4	15.3	16.3
24	60.2	57.8	57.1	58.4	17.9	13.7	15.2	17.2	14.9	15.8
25	55.1	54.5	54.6	54.7	15.6	9.3	14.3	12.8	11.2	12.8
26	54.1	53.8	57.5	55.1	16.0	10.4	11.4	14.9	12.3	12.9
27	60.8	61.0	61.4	61.1	18.0	13.1	14.4	17.2	14.9	15.5
28	61.7	60.6	60.6	61.0	18.2	14.5	15.3	17.8	15.0	16.0
29										
30										
31										
	63.61	62.77	63.51	63.30	16.69	11.74	13.75	15.69	13.33	14.26

Barometer, range for month 771.2 mm. — 753 8 mm.
„ 71-yr. average for month 761.982 mm.
Thermometer, range for month 19.4°C — 4.6°C
„ 71-yr. average for month 14.29°C
Rain total for month 122.54 mm.
„ 71-yr average for month 157.75 mm.
„ Total, Sept. 1st. to end of month 404.15 mm.
„ 71-yr average. Sept. 1st. to end of month 722.30 mm.

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN, METEOROLOGICAL SECTION

Note concerning wind and anemometer readings.

During the past 15 years the "Force of wind" readings have systematically deviated from the Beaufort wind scale. These readings are too low, but unfortunately they do not have any linear correspondence with the Beaufort scale. Effective February 1, 1957, the readings are again on the Beaufort scale.

The anemometer which gives the "Wind per day" readings is located on the college clock tower, about 35 meters (110 feet) above the ground level. Therefore the readings are somewhat higher than they would be if made nearer the ground.

Owen Gingerich
Director

FEBRUARY 1957

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	9.4	8.3	8.3	8.7	95	94	90	93	0.0	426	29.10
2	7.3	8.9	8.5	8.2	69	87	84	80	5.0	402	5.56
3	6.5	7.5	6.8	6.9	60	56	60	59	9.5	800	0.10
4	6.6	7.4	7.9	7.3	50	50	56	52	8.4	246	
5	11.0	10.2	9.2	10.1	70	55	64	63	9.1	372	0.20
6	10.1	11.1	10.5	10.6	62	61	74	66	9.3	203	
7	9.6	10.1	11.0	10.2	65	59	70	65	2.5	148	
8	7.0	11.2	8.7	9.0	43	59	51	51	10.0	278	
9	10.1	11.6	8.7	10.1	58	62	57	59	1.1	441	
10	10.5	10.1	10.1	10.2	66	60	69	65	5.1	335	0.60
11	13.5	13.6	12.5	13.2	79	73	73	75	5.3	359	30.40
12	13.0	12.3	11.4	12.2	76	61	79	72	7.9	665	3.10
13	11.5	12.6	11.0	11.7	72	67	70	70	6.9	380	5.75
14	12.0	12.6	11.9	12.2	70	67	76	71	8.1	349	0.18
15	10.6	12.2	12.9	11.9	64	62	80	69	6.8	351	
16	12.0	13.7	13.9	13.2	72	72	88	77	10.3	225	
17	12.0	13.6	14.5	13.4	73	71	87	77	9.5	360	
18	14.0	15.9	15.6	15.2	82	79	89	83	10.3	452	
19	14.5	14.8	15.0	14.8	82	73	88	81	10.0	171	
20	15.7	16.8	14.5	15.7	82	73	83	79	9.0	198	
21	15.6	15.9	15.0	15.5	88	79	89	85	9.2	180	
22	15.6	15.5	14.5	15.2	87	74	83	81	8.1	309	
23	12.6	14.2	14.0	13.6	71	73	79	74	7.3	280	
24	11.5	11.7	12.0	11.7	70	59	71	67	6.6	208	
25	11.5	11.4	11.8	11.6	71	79	90	80	0.0	623	15.70
26	11.4	10.6	9.6	10.5	87	62	69	73	4.6	359	31.85
27	10.6	11.7	12.5	11.6	65	59	72	65	9.5	459	
28	12.0	14.3	14.0	13.4	72	70	82	75	8.3	235	
29											
30											
31											
	11.35	12.14	11.65	11.71	71.5	67.7	75.8	71.7	7.06	350.50	4.38

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

FEBRUARY 1957
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10st	10ni	10st	10.0	2s	2e	2s	light	
2	9cu-st	10st	6st	8.3	1s	5nw	3se	,,	
3	0	5cu-st	0	1 7	1se	4ne	4ne	,,	
4	2cu-st	4cu-st	10st	5.3	0	1w	1se	,,	
5	7cu-st	1cu	1cu	3.0	1s	2sw	1se	,,	
6	5ci-st	0	0	1.7	1se	1n	1e	light	
7	10ci-st	10ci-st	10ci-st	10.0	1e	1ne	0	,,	D.a.m
8	0	0	0	0.0	1se	1ne	1ne	,,	D.a.m
9	10st	10st	10st	10 0	3sw	1n	1ne	,,	D.a.m
10	8ci-st	10ci-st	10st	9.3	1e	1nw	1ne	,,	D.a.m
11	5cu st	10cu-st	4cu-st	6.3	2w	2w	1se	light	
12	4cu-st	5cu-ci	10ni	6.3	1se	3sw	4w	,,	
13	5cu-st	8cu-st	10st	7.7	1w	2sw	1s	,,	
14	8cu-st	4cu-ci	3ci	5.0	1sw	2w	1s	,,	
15	2cu	0	1cu	1.0	1sw	3sw	1e	,,	D.a.m.p.m
16	0	0	0	0.0	1sw	1w	1e	light	D.a.m.p.m
17	0	10ci	0	3.3	1se	2n	2e	,,	D.a.m.p.m
18	0	0	0	0.0	1ne	3ne	2ne	,,	D a.m.p.m
19	0	0	0	0.0	1ne	1n	1n	,,	D.a.m.p.m
20	10st	0	0	3.3	1sw	1w	1ne	,,	D.a.m.p.m
21	6ci-st	0	0	2.0	1w	1nw	1ne	calm	D.a.m.p.m
22	10st	4ci	8cu-st	7.3	1ne	1n	1e	,,	D.a.m.p.m
23	1cu	10cu-st	10st	7.0	2sw	3sw	1w	light	.a.m.p.m
24	9cu-st	9st	10st	9.3	1s	1nw	1sw	,,	
25	10st	10ni	10st	10.0	3sw	4sw	2s	,,	
26	10st	5cu-ci	0	5.0	1s	2s	2e	light	
27	0	5cu-st	7st	4.0	1s	2sw	2se	,,	D.a.m
28	10ci	0	0	3.3	1s	1n	1se	,,	D a.m.p.m
29									
30									
31									
	mean			5.00					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	3	2	5	7	7	3	0	1	28
14:30	6	4	1	0	1	7	5	4	0	28
20:30	1	7	6	6	4	1	2	0	1	28
Total	7	14	9	11	12	15	10	4	2	84

Number of days with rain 11, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 13.9
Time of reading minus 2 hours equals G.C.T